



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

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AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123



PEDESTRIAN CASE SUMMARY

PSU 40 CASE NO. 612P TYPE OF ACCIDENT CAR/PEDESTRIAN CROSSING ROAD STRAIGHT
AW

A. DESCRIPTION OF THE ACCIDENT SEQUENCE AND ACCIDENT PECULIARITIES

(Provide a summary of the accident sequence as well as any particular event of the accident that is noteworthy. Pedestrian injury mechanism and vehicle interaction is the focus, not pedestrian or driver culpability. Do not include any personal identifiers.) VEHICLE * TRAVELLING EAST WHEN PEDESTRIAN, WHO WAS WATCHING SCHOOL BUSES EXITING PARKING LOT, STEPPED IN FRONT OF VEHICLE #1 AND GOT STRUCK WITH THE RIGHT FRONT.

B. PEDESTRIAN PROFILE

| Pedestrian No. | Age | Sex | Treatment/Mortality | Most Severe Injury (TO BE COMPLETED BY ZONE CENTER) | | | |
|----------------|-----|-----|---------------------|--|-------------|-----|---------------|
| | | | | Body Region | Ana. Struc. | AIS | Injury Source |
| 01 | 15 | 2 | 4 | THIGH | CONTUSION | 1 | Front Bumper |

| Body Region | Type of Anatomic Structure | Abbreviated Injury Scale |
|-----------------|----------------------------|-------------------------------|
| Head | Whole Area | (1) Minor injury |
| Face | Vessels | (2) Moderate injury |
| Throat | Nerves | (3) Serious injury |
| Chest | Organs | (4) Severe injury |
| Abdomen/Pelvis | Skeletal | (5) Critical injury |
| Spine | Head-LOC | (6) Maximum (untreatable) |
| Upper Extremity | Skin-Burn | (7) Injured, unknown severity |
| Lower Extremity | Skin-Other | |
| External | | |

C. VEHICLE PROFILE

| Vehicle No. | Class of Vehicle | Year/Make/Model | Most Severe Damage Based on Vehicle Inspection | |
|-------------|------------------|---------------------|---|--------------------|
| | | | Damage Plane | Damage Description |
| 01 | FULL SIZ | 90 LINCOLN/TOWN CAR | FRONT | MINOR |

DO NOT SANITIZE THIS FORM

ACCIDENT COLLISION DIAGRAM

**NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM**

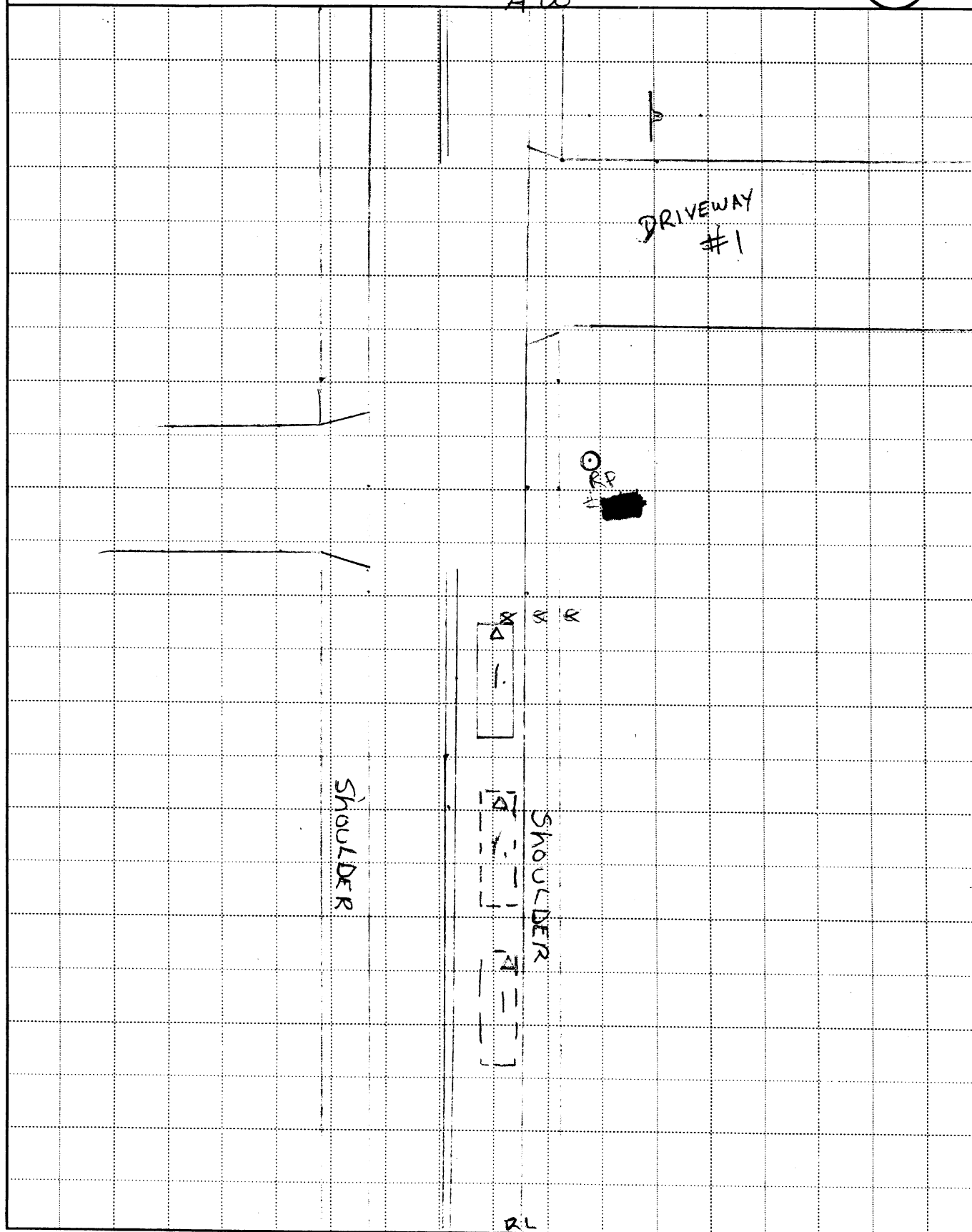
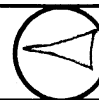
PSU No.

40

Case Number—Stratum

6 / 2 p
Aw

Indicate North





U.S. Department of Transportation
National Highway Traffic Safety
Administration

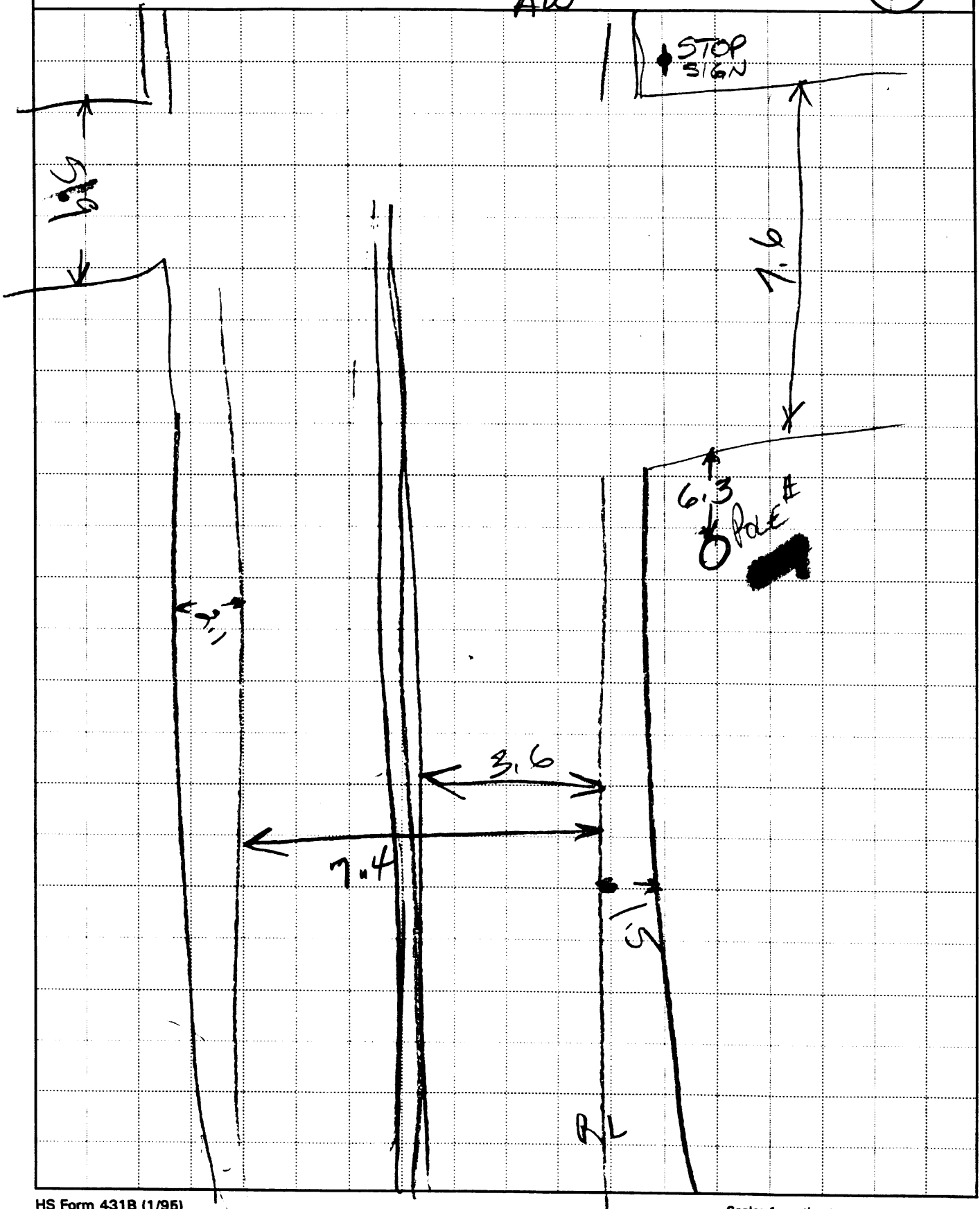
ACCIDENT COLLISION DIAGRAM

NATIONAL ACCIDENT SAMPLING SYSTEM
CRASHWORTHINESS DATA SYSTEM

PSU No. 40

Case Number—Stratum 612P
AW

Indicate
North



PEDESTRIAN ACCIDENT FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
PEDESTRIAN CRASH DATA STUDY

1. Primary Sampling Unit Number

40

2. Case Number - Stratum

612 P
AW

IDENTIFICATION

3. Number of General Vehicle
Forms Submitted

0 1

4. Date of Accident
(Month, Day, Year)

01 01 97

5. Time of Accident

1540

Code reported military time of accident.

NOTE: Midnight = 2400
Unknown = 9999

SPECIAL STUDIES - INDICATORS

Check (✓) each special study (SS15-SS19 below) that has been completed; code 1 for the checked special studies and 0 for the special studies not checked.

6. SS15 Administrative Use 0

7. ✓ SS16 Pedestrian Crash Data Study 1

8. SS17 Impact Fires 0

9. SS18 0

10. SS19 0

NUMBER OF EVENTS

11. Number of Recorded Events
in This Accident

0 1

PEDESTRIAN STUDY CRITERIA

Pedestrian Definition:

Any person who is on a trafficway or on a sidewalk or path contiguous with a trafficway, or on private property (e.g., parking lot). Note: Pedestrians include persons who are in contact with the ground, roadway, etc. and are pushing carts, wagons, etc. or holding on to a vehicle.

Persons in or on a nonmotorist conveyance are not pedestrians and are excluded from this study. A nonmotorist conveyance is defined as any human powered device by which a nonmotorist may move, or by which a pedestrian or nonmotorist may move another nonmotorist. A nonmotorist conveyance for purposes of this study includes the following: bicycles, baby carriages, roller skates/blades, push carts, scooters, wheelchairs, animals, etc. For example, persons on a bicycle/scooter, roller skating/blading, in a baby carriage/push cart/wheelchair or on a horse are excluded.

Case Selection Criteria:

A forward moving, late model year (VEH04 equals 90 to 95) CDS applicable vehicle (VEH07 equals 01 to 49) must strike a pedestrian.

The striking portion of the vehicle structure must be original equipment manufacturer (OEM) without previous damage and or parts removed in the impact area. For example, vehicles equipped with deer guards, winches, snow plows, etc. or previously damaged in the impact area are excluded.

The pedestrian may not be lying or sitting.

The pedestrian impact(s) are the vehicle's only impact(s). If multiple pedestrians are impacted, each pedestrian shall be a separate case.

The first point of contact between the late model year, CDS applicable vehicle and the pedestrian must be forward of the top of the A pillar.

PEDESTRIAN ACCIDENT EVENTS

| Accident Event Sequence Number | Vehicle Number | Class Of Vehicle | General Area of Damage | Vehicle Number or Object Contacted | Class Of Vehicle | General Area of Damage |
|--------------------------------------|-----------------------|---------------------|------------------------------|--|-----------------------|------------------------------|
| 12. <u>0</u> <u>1</u> | 13. <u>0</u> <u>1</u> | 14. <u>03</u> | 15. <u>F</u> | 16. <u>7</u> <u>2</u> | 17. <u>0</u> <u>0</u> | 18. <u>0</u> |

CODES FOR CLASS OF VEHICLE

- (00) Not a motor vehicle
- (01) Subcompact/mini (wheelbase < 254 cm)
- (02) Compact (wheelbase ≥ 254 but < 265 cm)
- (03) Intermediate (wheelbase ≥ 265 but < 278 cm)
- (04) Full size (wheelbase ≥ 278 but < 291 cm)
- (05) Largest (wheelbase ≥ 291 cm)
- (09) Unknown passenger car size
- (11) Compact utility vehicle
- (12) Large utility vehicle (≤ 4,500 kgs GVWR)
- (13) Passenger van (≤ 4,500 kgs GVWR)
- (14) Other van (≤ 4,500 kgs GVWR)
- (15) Pickup truck (≤ 4,500 kgs GVWR)
- (18) Other truck (≤ 4,500 kgs GVWR)
- (19) Unknown light truck type

CODES FOR GENERAL AREA OF DAMAGE (GAD)

CDS APPLICABLE VEHICLES

- (F) Front
- (R) Right side
- (L) Left side
- (U) Undercarriage
- (9) Unknown

CODES FOR VEHICLE NUMBER OR OBJECT CONTACTED

Collision with Nonfixed Object

- (72) Pedestrian



PEDESTRIAN ACCIDENT COLLISION MEASUREMENT TABLE

Primary Sampling Unit Number 40

Case Number-Stratum 6 A2-P

| PEDESTRIAN ACCIDENT COLLISION DATA COLLECTION | | SCALED DIAGRAM |
|---|--|---|
| * document reference point and reference line relative to physical features | Surface Type _____ | * north arrow placed on diagram |
| * documentation of all accident induced physical evidence including (if applicable): | Surface Condition _____ | * grade measurements for all applicable roadways |
| a) vehicle skid marks | Coefficient of Friction _____ | * scaled representations of the physical plant including: |
| b) pedestrian contacts with ground or object | Grade (v/h) Measurement | a) all road/roadway delineation (e.g., crosswalks, curb/edge lines, lane markings, medians, pavement markings, parked vehicles, poles, signs, etc.) |
| c) vehicle/pedestrian point of impact (POI) | a) at impact _____ | b) all traffic controls (e.g., lights, signs) |
| d) location of pedestrian separation point from vehicle | b) between impact and final rest _____ | * scaled representations of the vehicle and pedestrian at pre-impact, impact, and final rest based upon either: |
| f) final resting points (FRP) for pedestrian and vehicle | Pedestrian Travel Direction _____ | a) physical evidence, or |
| * documentation of the physical plant including: | Vehicle Travel Direction _____ | b) reconstructed accident dynamics |
| a) all road/roadway delineation (e.g., crosswalks, curb/edge lines, lane markings, medians, pavement markings, parked vehicles, poles, signs, etc.) | Number of Travel Lanes _____ | |
| b) all traffic controls (e.g., lights, signs) | | |

Reference Point: POLE # [REDACTED]

Reference Line: SOUTH FOG LINE

| Item | Distance and Direction from Reference Point | Distance and Direction from Reference Line |
|------------------------|---|--|
| R.P | 0.0 | 2.9 S |
| DRIVE # 1 WEST OPENING | 6.3 W | 0.0 |
| DRIVE # 2 WEST OPENING | 4.4 W | 9.5 N |
| STOP SIGN | 16.2 E | 8.0 S |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

[illegible]

PEDESTRIAN ASSESSMENT FORM

Form Approved
O.M.B. No. 2127-0021

NATIONAL ACCIDENT SAMPLING SYSTEM
PEDESTRIAN CRASH DATA STUDY

1. Primary Sampling Unit Number

40

2. Case Number - Stratum

6 12 P
AW

3. Pedestrian Number

01

10. Pedestrian's Weight

057

Code actual weight to the nearest
kilogram.

(999) Unknown

125 pounds X .4536 = 56.7 kilograms

PEDESTRIAN'S CHARACTERISTICS

4. Pedestrian's Age

15

Code actual age at time of accident.

(00) Less than one year old (specify by month):

(97) 97 years and older

(99) Unknown

5. Pedestrian's Sex

2

(1) Male

(2) Female - not reported pregnant

(3) Female - pregnant-1st trimester (1st-3rd month)

(4) Female - pregnant-2nd trimester (4th-6th month)

(5) Female - pregnant-3rd trimester (7th-9th month)

(6) Female - pregnant-term unknown

(9) Unknown

6. Pedestrian's Overall Height

150

Code actual height to the nearest
centimeter.

(999) Unknown

59 inches X 2.54 = 150 centimeters

7. Pedestrian's Height - Ground to Knee

46

Code to the nearest
centimeter.

(999) Unknown

18 inches X 2.54 = 45.7 centimeters

8. Pedestrian's Height - Ground to Hip

088

Code to the nearest
centimeter.

(999) Unknown

34.6 inches X 2.54 = 088 centimeters

9. Pedestrian's Height - Ground to Shoulder

123

Code to the nearest
centimeter.

(999) Unknown

48.4 inches X 2.54 = 122.9 centimeters

PEDESTRIAN'S PRE-AVOIDANCE ACTIONS

11. Pedestrian Attitude

1

(1) Standing

(2) Crouching

(3) Kneeling

(4) Bending at waist

(8) Other (specify):

(9) Unknown

12. Pedestrian Motion

1

(0) Not moving

(1) Walking slowly

(2) Walking rapidly

(3) Running or jogging

(4) Hopping

(5) Skipping

(6) Jumping

(7) Falling/stumbling or rising

(8) Other (specify):

(9) Unknown

13. Pedestrian's Action Relative to Vehicle

01

(00) Stopped

(01) Crossing road, straight

(02) Crossing road, diagonally

(03) Moving in road, with traffic

(04) Moving in road, against traffic

(05) Off road, approaching road

(06) Off road, going away from road

(07) Off road, moving parallel

(08) Off road, crossing driveway

(09) Off road, moving along driveway

(98) Other (specify):

(99) Unknown

14. Pedestrian's Body (Chest) Orientation
Relative to Striking Vehicle Prior to
Avoidance Actions

3

(1) Facing vehicle

(2) Facing away

(3) Left side to vehicle

(4) Right side to vehicle

(8) Other (specify):

(9) Unknown

PEDESTRIAN'S AVOIDANCE ACTIONS15. Pedestrian's First Avoidance Actions 13

- (00) No avoidance actions
- (01) Stopped
- (02) Accelerated pace
- (03) Ran away (along vehicle path)
- (04) Jumped
- (05) Turned toward vehicle
- (06) Turned away from vehicle
- (07) Dove or fell away

Used hand(s) to :

- (11) Vault corner of vehicle
- (12) Vault onto vehicle
- (13) Brace against vehicle
- (14) Crouched and braced hands against vehicle
- (98) Other (specify): _____
- (99) Unknown

PEDESTRIAN'S ORIENTATION AT IMPACT16. Pedestrian's Head Orientation at Initial Impact 2

- (1) To front
- (2) To left
- (3) To right
- (4) Up
- (5) Down
- (8) Other (specify): _____
- (9) Unknown

17. Pedestrian's Body (Chest) Orientation at Initial Impact 3

- (1) Facing vehicle
- (2) Facing away
- (3) Left side to vehicle
- (4) Right side to vehicle
- (8) Other (specify): _____
- (9) Unknown

18. Pedestrian's Arm Orientation at Initial Impact 08

- (01) At sides
- (02) Folded across chest
- (03) Hands clasped behind back
- (04) Hands on hips
- (05) Hands in pockets

One or both arms:

- (06) Extended upward
- (07) Extended to side
- (08) Extended forward bracing
- (09) Extended, holding object (briefcase, suitcase, etc.)
- (10) Holding object (young child, grocery bag, etc.) in arm(s)
- (11) Holding object (young child, grocery bag, etc.) on shoulder(s) or head
- (98) Other (specify): _____
- (99) Unknown

19. Pedestrian's Leg Orientation at Initial Impact 04

- (01) Together
- (02) Apart-laterally
- (03) Apart-right leg forward
- (04) Apart-left leg forward
- (05) Apart- forward leg unknown
- (06) Left foot off the ground
- (07) Right foot off the ground
- (08) Both feet off the ground
- (98) Other (specify): _____
- (99) Unknown

20. Vehicle/Pedestrian's Interaction 08

- (01) Carried by vehicle, wrapped position
- (02) Carried by vehicle, slid to windshield
- (03) Carried by vehicle, position unknown
- (04) Passed over vehicle top
- (05) Thrown straight forward
- (06) Thrown forward and left of vehicle
- (07) Thrown forward and right of vehicle
- (08) Knocked to pavement, forward
- (09) Knocked to pavement, left of vehicle
- (10) Knocked to pavement, right of vehicle
- (11) Knocked to pavement, run over or dragged by vehicle
- (12) Shunted to left (corner impacts only)
- (13) Shunted to right (corner impacts only)
- (14) Bumped or pushed aside
- (15) Snagged, rotated
- (16) Snagged, dragged by vehicle
- (17) Foot or legs run over
- (98) Other (specify): _____
- (99) Unknown

OFFICIAL RECORDS

INJURY CONSEQUENCES

21. Police Reported Alcohol Presence
For Pedestrian

- (0) No alcohol present
(1) Yes alcohol present
(7) Not reported
(9) Unknown

022. Alcohol Test Result For Pedestrian
Code actual value (decimal implied
before first digit—0.xx)

- (95) Test refused
(96) None given
(97) AC (Alcohol Content)
test performed, results unknown
(99) Unknown if test given

96

Source: _____

23. Police Reported Other Drug Presence
For Pedestrian

- (0) No other drug(s) present
(1) Yes other drug(s) present
(7) Not reported
(9) Unknown

024. Other Drug Specimen Test Result
For Pedestrian

- (0) No specimen test given
(1) Drug not found in specimen
(2) Drug found in specimen,
(specify): _____
(3) Specimen test given,
results unknown or not obtained
(9) Unknown

9

25. Injury Severity (Police Rating)

- (0) O - No injury
(1) C - Possible injury
(2) B - Nonincapacitating injury
(3) A - Incapacitating injury
(4) K - Killed
(5) U - Injury, severity unknown
(6) Died prior to accident
(9) Unknown

1

26. Treatment - Mortality

- (0) No treatment
(1) Fatal
(2) Fatal - ruled disease (specify):

4*Nonfatal*

- (3) Hospitalization
(4) Transported and released
(5) Treatment at scene - non-transported
(6) Treatment later
(8) Treatment - other (specify):

(9) Unknown

27. Type Of Medical Facility
(for Initial Treatment)

- (0) Not treated at a medical facility
(1) Trauma center
(2) Hospital
(3) Medical clinic
(4) Physician's office
(5) Treatment later at medical facility
(8) Other (specify): _____
(9) Unknown

2

28. Hospital Stay

- (00) Not Hospitalized
_____ Code the number of days (up through 60)
that the pedestrian stayed in a hospital.
(61) 61 days or more
(99) Unknown

00

29. Working Days Lost

- _____ Code the number of days
(up through 60) that the pedestrian
lost from work due to the accident
(00) No working days lost
(61) 61 days or more
(62) Fatally injured
(97) Not working prior to accident
(99) Unknown

00

STOP - VARIABLES 30 THROUGH 37 ARE COMPLETED BY THE ZONE CENTER

30. Glasgow Coma Scale (GCS) Score 15
(at Medical Facility)

(00) Not injured

(01) Injured - not treated at medical facility

(02) No GCS Score at medical facility

(03-15) Code the actual value of the
initial GCS Score recorded at medical
facility.

(97) Injured, details unknown

(99) Unknown if injured

31. Was the Pedestrian Given Blood? 1

(1) No - blood not given

(2) Yes - blood given

(specify units): _____

(9) Unknown if blood given

32. Arterial Blood Gases (ABG) - HCO_3 01

(00) Not injured

(01) Injured, ABGs not measured or reported

(02-50) Code the actual value of the HCO_3 (96) ABGs reported, HCO_3 unknown

(97) Injured, details unknown

(99) Unknown if injured

33. Time to Death 00Code number of hours from time of
accident to time of death up through 24
hours. If time of death is greater than 24
hours, code number of days. (Note: 1 day
= 31, 2 days = 32, ... n days = 30 + n up
through 30 days = 60)

(00) Not fatal

(96) Fatal - ruled disease

(99) Unknown

34. 1st Medically Reported Cause of Death 0035. 2nd Medically Reported Cause of Death 0036. 3rd Medically Reported Cause of Death 00Code the Pedestrian Injury from line
number(s) for the medically reported
injury(s) which reportedly contributed to
this pedestrian's death

(00) Not fatal or no additional causes

(96) Mode of death given but specific
injuries are not linked to cause
of death. (specify): _____(97) Other result (includes fatal ruled disease)
(specify): _____

(99) Unknown

37. Number of Recorded Injuries for
This Pedestrian 01Code the actual number of
injuries recorded for this pedestrian.

(00) No recorded injuries

(97) Injured, details unknown

(99) Unknown if injured

ARE ALL APPLICABLE MEDICAL RECORDS INCLUDED WITH INITIAL SUBMISSION?

NO [] YES []

UPDATE CANDIDATE?

NO [] YES [X]



PEDESTRIAN INJURY FORM

1. Primary Sampling Unit Number

40

3. Pedestrian Number

01

2. Case Number - Stratum

6 12 AW P

4. Blank

X X

INJURY DATA

Record below the actual injuries sustained by this pedestrian in **CHRONOLOGICAL** order that were identified from the official and unofficial data sources. Remember not to double count an injury just because it was identified from two different sources. If greater than twenty-five injuries have been documented, encode the balance on the Pedestrian Injury Supplement.

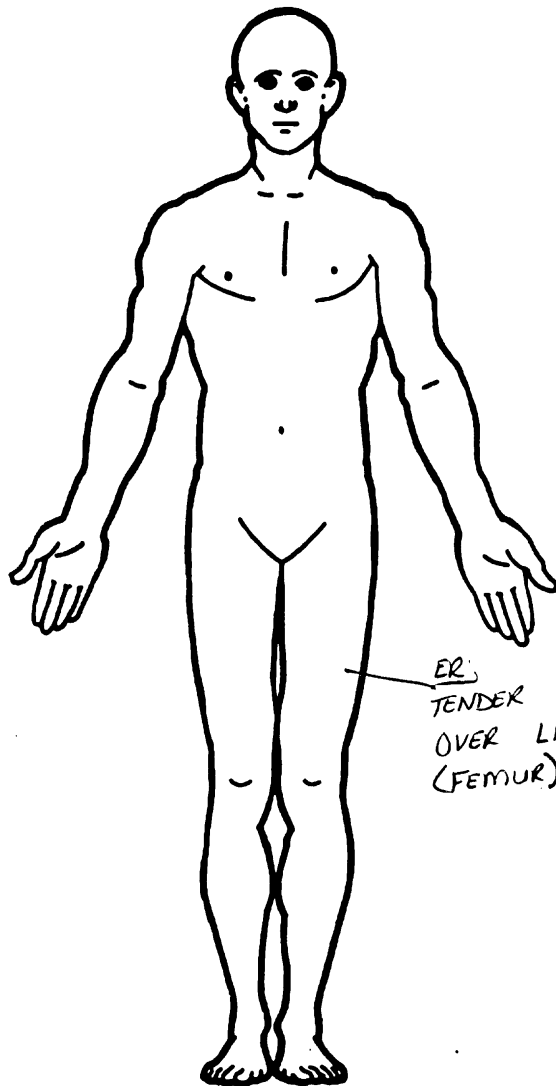
| Source of Injury Data | Body Region | Type of Anatomic Structure | AIS-90 | | | | | Injury Source | Injury Source Confidence Level | Direct/Indirect Injury | Striking Profile | Type Of Damage | Damage Depth |
|-----------------------|----------------|----------------------------|-----------------------------|-----------------|-----------------|----------------|----------------|----------------|--------------------------------|------------------------|------------------|----------------|----------------|
| | | | Specific Anatomic Structure | Level of Injury | A.I.S. Severity | Aspect | | | | | | | |
| 1st | 5. <u>7</u> | 6. <u>8</u> | 7. <u>9</u> | 8. <u>04</u> | 9. <u>02</u> | 10. <u>1</u> | 11. <u>2</u> | 12. <u>700</u> | 13. <u>1</u> | 14. <u>1</u> | 15. <u>2</u> | 16. <u>1</u> | 17. <u>1</u> |
| 2nd | 18. <u> </u> | 19. <u> </u> | 20. <u> </u> | 21. <u> </u> | 22. <u> </u> | 23. <u> </u> | 24. <u> </u> | 25. <u> </u> | 26. <u> </u> | 27. <u> </u> | 28. <u> </u> | 29. <u> </u> | 30. <u> </u> |
| 3rd | 31. <u> </u> | 32. <u> </u> | 33. <u> </u> | 34. <u> </u> | 35. <u> </u> | 36. <u> </u> | 37. <u> </u> | 38. <u> </u> | 39. <u> </u> | 40. <u> </u> | 41. <u> </u> | 42. <u> </u> | 43. <u> </u> |
| 4th | 44. <u> </u> | 45. <u> </u> | 46. <u> </u> | 47. <u> </u> | 48. <u> </u> | 49. <u> </u> | 50. <u> </u> | 51. <u> </u> | 52. <u> </u> | 53. <u> </u> | 54. <u> </u> | 55. <u> </u> | 56. <u> </u> |
| 5th | 57. <u> </u> | 58. <u> </u> | 59. <u> </u> | 60. <u> </u> | 61. <u> </u> | 62. <u> </u> | 63. <u> </u> | 64. <u> </u> | 65. <u> </u> | 66. <u> </u> | 67. <u> </u> | 68. <u> </u> | 69. <u> </u> |
| 6th | 70. <u> </u> | 71. <u> </u> | 72. <u> </u> | 73. <u> </u> | 74. <u> </u> | 75. <u> </u> | 76. <u> </u> | 77. <u> </u> | 78. <u> </u> | 79. <u> </u> | 80. <u> </u> | 81. <u> </u> | 82. <u> </u> |
| 7th | 83. <u> </u> | 84. <u> </u> | 85. <u> </u> | 86. <u> </u> | 87. <u> </u> | 88. <u> </u> | 89. <u> </u> | 90. <u> </u> | 91. <u> </u> | 92. <u> </u> | 93. <u> </u> | 94. <u> </u> | 95. <u> </u> |
| 8th | 96. <u> </u> | 97. <u> </u> | 98. <u> </u> | 99. <u> </u> | 100. <u> </u> | 101. <u> </u> | 102. <u> </u> | 103. <u> </u> | 104. <u> </u> | 105. <u> </u> | 106. <u> </u> | 107. <u> </u> | 108. <u> </u> |
| 9th | 109. <u> </u> | 110. <u> </u> | 111. <u> </u> | 112. <u> </u> | 113. <u> </u> | 114. <u> </u> | 115. <u> </u> | 116. <u> </u> | 117. <u> </u> | 118. <u> </u> | 119. <u> </u> | 120. <u> </u> | 121. <u> </u> |
| 10th | 122. <u> </u> | 123. <u> </u> | 124. <u> </u> | 125. <u> </u> | 126. <u> </u> | 127. <u> </u> | 128. <u> </u> | 129. <u> </u> | 130. <u> </u> | 131. <u> </u> | 132. <u> </u> | 133. <u> </u> | 134. <u> </u> |

PEDESTRIAN INJURY DATA

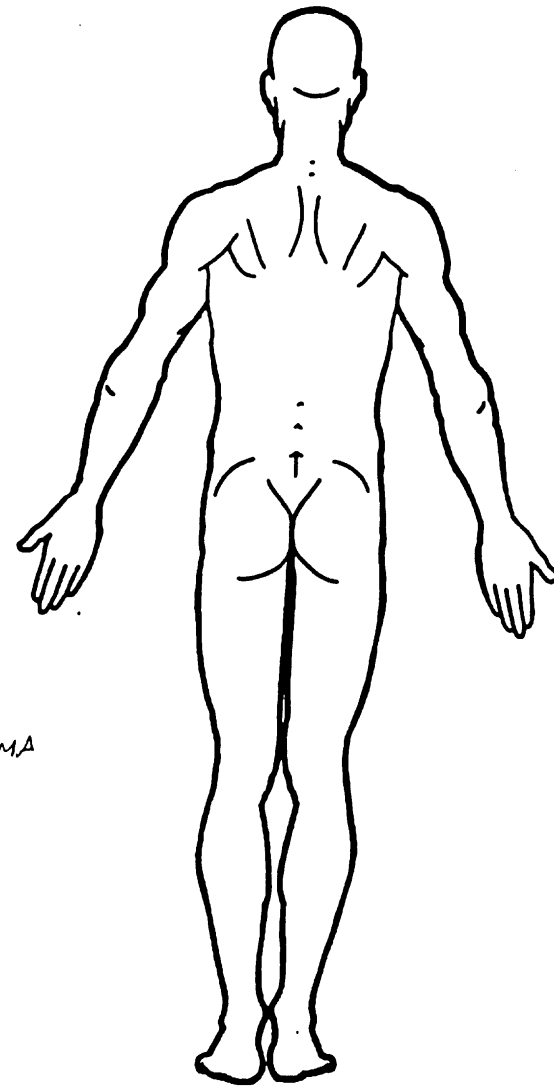
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OFFICIAL INJURY DATA — SOFT TISSUE INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)



ER
TENDER TO PALPATION
OVER LFT LATERAL LEG
(FEMUR) w/ SLIGHT ERYTHEMA



SOURCE OF INJURY DATA**OFFICIAL**

- (1) Autopsy records with or without hospital/medical records
- (2) Hospital/medical records other than emergency room (e.g., discharge summary)
- (3) Emergency room records only (including associated X-rays or other lab reports)
- (4) Private physician, walk-in or emergency clinic

UNOFFICIAL

- (5) Lay coroner report
- (6) E.M.S. personnel
- (7) Interviewee
- (8) Other source (specify): _____
- (9) Police

INJURY SOURCE CONFIDENCE LEVEL

- (1) Certain
- (2) Probable
- (3) Possible
- (9) Unknown

DIRECT/INDIRECT INJURY

- (1) Direct contact injury
- (2) Indirect contact injury
- (3) Noncontact injury
- (7) Injured, unknown source

STRIKING PROFILE

- (0) Injury not from vehicle contact
- (1) Flat-Narrow (< 15 centimeters)
- (2) Flat-Wide (> 15 centimeters)
- (3) Rounded (contoured)
- (4) Rounded edge
- (5) Sharp edge
- (8) Other (specify): _____
- (9) Unknown

TYPE OF DAMAGE

- (0) Injury not from vehicle contact
- (1) No damage/contact
- (2) Scratch (Scuff, Cloth Transfer, Smear)
- (3) Dent
- (4) Large deformation
- (5) Cracked, fractured, shattered
- (6) Separated from vehicle
- (7) Noncontact injury
- (8) Other specify: _____
- (9) Unknown

DAMAGE DEPTH

- (0) Injury not from vehicle contact
- (1) No residual damage
- (2) Surface only damage
- (3) Crush depth > 0 to 2 centimeters
- (4) Crush depth > 2 to 5 centimeters
- (5) Crush depth > 5 to 10 centimeters
- (8) Other specify: _____
- (9) Unknown

PEDESTRIAN INJURY CLASSIFICATION**Body Region**

- (1) Head
- (2) Face
- (3) Neck
- (4) Thorax
- (5) Abdomen
- (6) Spine
- (7) Upper Extremity
- (8) Lower Extremity
- (9) Unspecified

Specific Anatomic StructureWhole Area

- (02) Skin - Abrasion
- (04) Skin - Contusion
- (06) Skin - Laceration
- (08) Skin - Avulsion
- (10) Amputation
- (20) Burn
- (30) Crush
- (40) Degloving
- (50) Injury - NFS
- (90) Trauma, other than mechanical

Spine

- (02) Cervical
- (04) Thoracic
- (06) Lumbar

Vessels, Nerves, Organs, Bones, Joints
are assigned consecutive two digit numbers beginning with 02

Level of Injury

Specific injuries are assigned consecutive two-digit numbers beginning with 02.

To the extent possible, within the organizational framework of the AIS, 00 is assigned to an injury NFS as to severity or where only one injury is given in the dictionary for that anatomic structure. 99 is assigned to any injury NFS as to lesion or severity.

Abbreviated Injury Scale

- (1) Minor injury
- (2) Moderate injury
- (3) Serious injury
- (4) Severe injury
- (5) Critical injury
- (6) Maximum (untreatable)
- (7) Injured, unknown severity

Aspect

- (1) Right
- (2) Left
- (3) Bilateral
- (4) Central
- (5) Anterior
- (6) Posterior
- (7) Superior
- (8) Inferior
- (9) Unknown
- (0) Whole region

Type of Anatomic Structure

- (1) Whole Area
- (2) Vessels
- (3) Nerves
- (4) Organs (includes muscles/ligaments)
- (5) Skeletal (includes joints)
- (6) Head - LOC
- (9) Skin

Head - LOC

- (02) Length of LOC
- (04, 06, 08) Level of Consciousness
- (10) Concussion

INJURY SOURCEFRONT

- 700 Front bumper
- 701 Front lower valance/spoiler
- 702 Front grille
- 703 Hood edge and/or trim
- 704 Hood ornament (fixed)
- 705 Hood ornament (spring loaded)
- 706 Headlight
- 707 Retractable headlight door (Open/Closed)
- 708 Turn signal/parking lights
- 718 Other front or add on object (specify): _____
- 719 Unknown front object

Left Side Components

- 720 Front fender side surface
- 721 Front antenna
- 722 A1 pillar
- 723 A2 pillar
- 724 B pillar
- 725 C pillar
- 726 D pillar
- 728 Other pillar (specify): _____
- 729 Left side roof rail
- 730 Left side door surface
- 731 Left side door handle
- 732 Left side mirror fixed housing
- 733 Left side folding mirror
- 734 Left side glazing forward of B pillar
- 735 Left side glazing rearward of B pillar
- 736 Left side back fender or quarter panel
- 737 Rear antenna
- 738 Other left side object (specify): _____
- 739 Unknown left side component

Right Side Components

- 740 Front fender side surface
- 741 Front antenna
- 742 A1 pillar
- 743 A2 pillar

- 744 B pillar
- 745 C pillar
- 746 D pillar
- 748 Other pillar (specify): _____
- 749 Right side roof rail
- 750 Right side door surface
- 751 Right side door handle
- 752 Right side mirror fixed housing
- 753 Right side folding mirror
- 754 Right side glazing forward of B pillar
- 755 Right side glazing rearward of B pillar
- 756 Rear antenna
- 757 Rear fender or quarter panel
- 758 Other right side object (specify): _____
- 759 Unknown right side component

Back Components

- 760 Rear (back) bumper
- 761 Tailgate
- 762 Hatchback, vertical surface
- 768 Other back component (specify): _____
- 769 Unknown back component

Top Components

- 770 Hood surface
- 771 Hood surface reinforced by under hood component
- 772 Front fender top surface
- 773 Cowl area
- 774 Wiper blade & mountings
- 775 Windshield glazing
- 776 Front header
- 777 Roof surface
- 778 Backlight glazing
- 779 Rear header
- 780 Hatchback
- 781 Rear trunk lid
- 788 Other top component (specify): _____
- 789 Unknown top component

Wheels / tires

- 790 Left front wheel / tire
- 791 Right front wheel / tire
- 792 Left rear wheel / tire
- 793 Right rear wheel / tire
- 798 Other wheel / tire (specify): _____
- 799 Unknown wheel / tire

Undercarriage components

- 800 Front crossmember
- 801 Steering assembly/Front suspension
- 802 Oil pan
- 803 Exhaust system pipe
- 804 Transmission
- 805 Drive shaft
- 806 Catalytic converter
- 807 Muffler
- 808 Floor pan
- 809 Fuel tank
- 810 Rear suspension
- 818 Other undercarriage component (specify): _____
- 819 Unknown undercarriage component

Accessories

- 820 Air scoop, deflector
- 821 Cellular or CB radio antenna
- 822 Emergency lights or bar
- 823 Fog lights
- 824 Luggage, ski, or bike rack
- 825 Cargo (specify): _____
- 826 Spare tire
- 827 Spotlight
- 828 Other accessory (specify): _____

Other Object or Vehicle in Environment

- 947 Ground
- 948 Other object (specify): _____
- 949 Unknown object in environment
- 959 Unknown object on contacting vehicle
- 997 Noncontact injury source
- 999 Unknown injury source

OFFICIAL INJURY DATA — SKELETAL INJURIES

Restrained?

___ No

___ Yes

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)

Blood Alcohol Level
(mg/dl)

BAL = ___

Glasgow Coma
Scale Score

A + O x 3
GCSS = 15

Units of Blood
Given

Units = ___

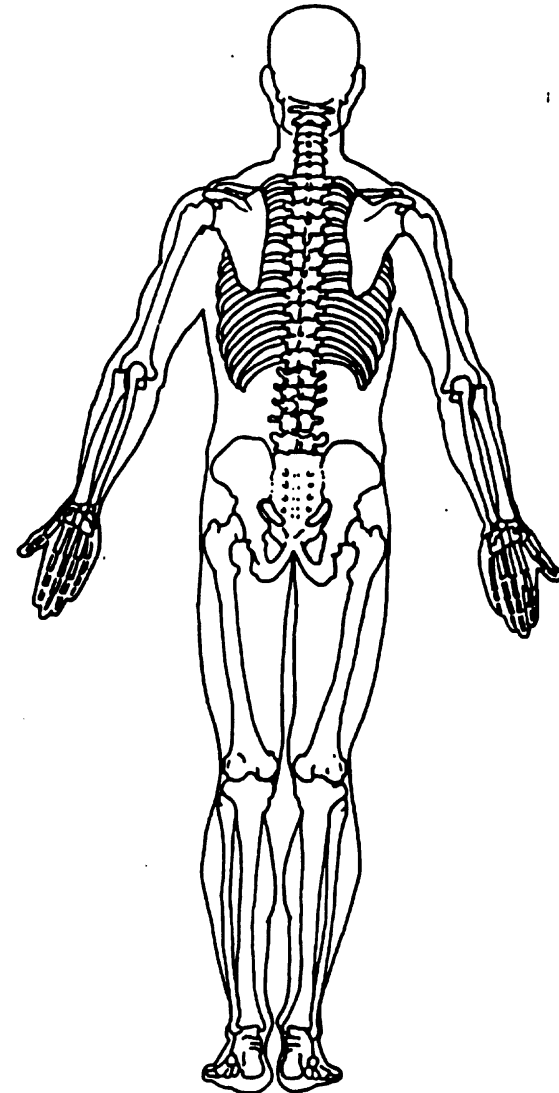
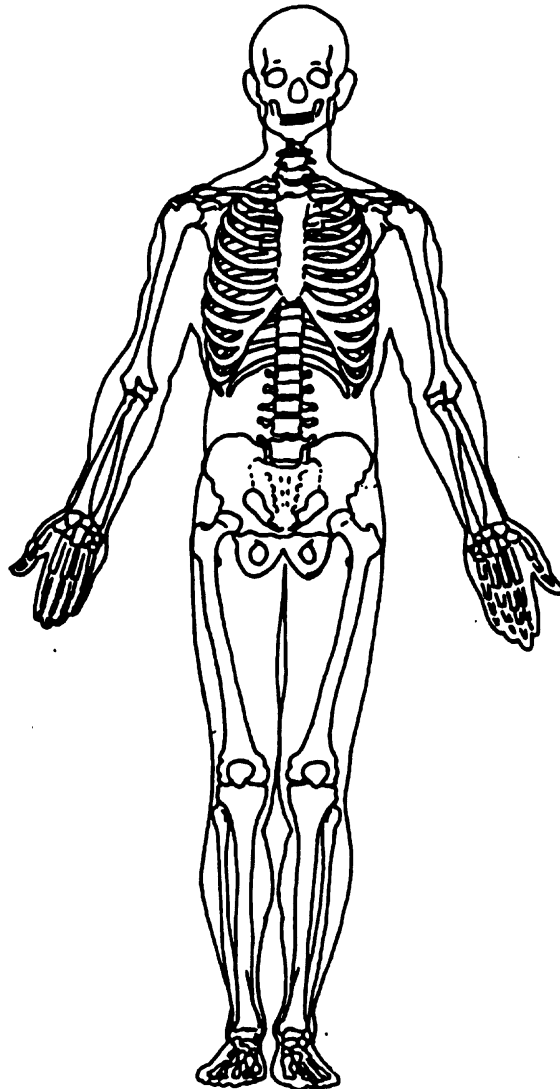
Arterial Blood Gases

Ph = ___

PO₂ = ___

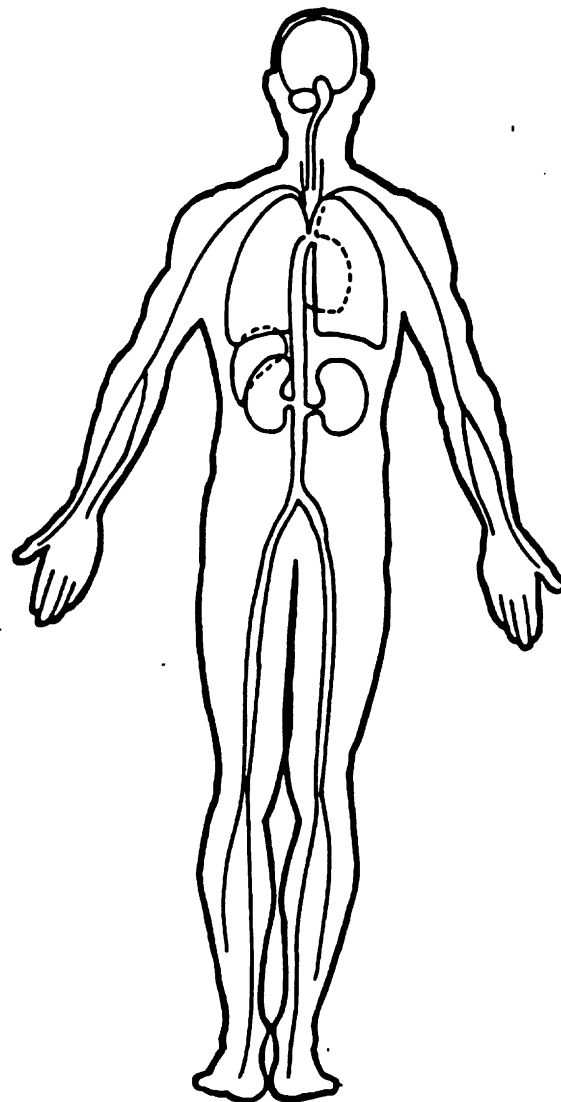
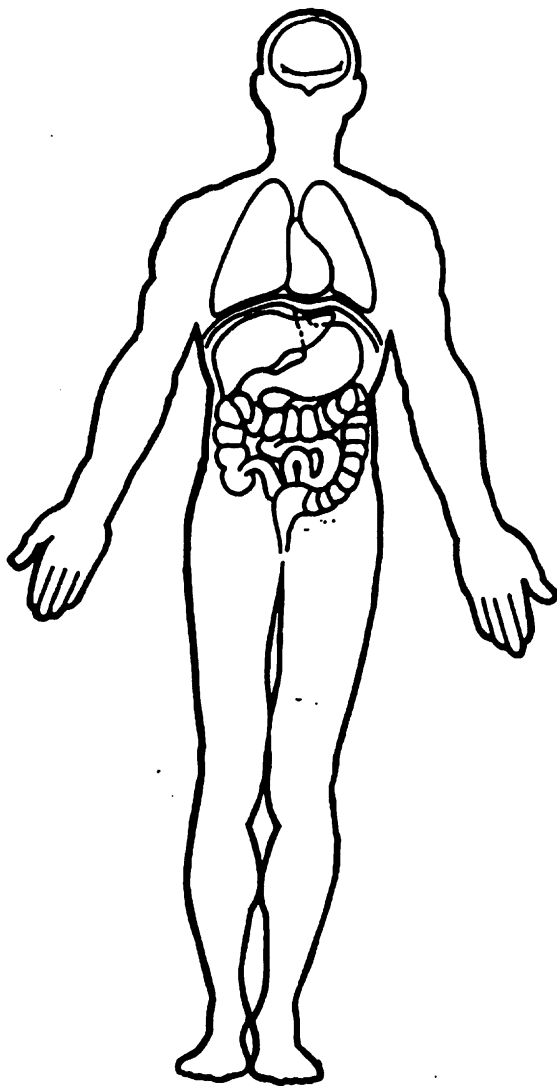
PCO₂ = ___

HCO₃ = ___



OFFICIAL INJURY DATA —INTERNAL INJURIES

Indicate the Location, Specific Anatomic Structure, Detail (size, depth, fracture type, head injury clinical signs and neurological deficits), and Source of all injuries indicated by official sources (or from PAR or other unofficial sources if medical records and interviewee data are unavailable.)





PEDESTRIAN GENERAL VEHICLE FORM NATIONAL ACCIDENT SAMPLING SYSTEM
PEDESTRIAN CRASH DATA STUDY

1. Primary Sampling Unit Number

40

2. Case Number - Stratum

6 12 P

3. Vehicle Number

A W
0 1

VEHICLE IDENTIFICATION

4. Vehicle Model Year

90

Code the last two digits of the model year
(99) Unknown

5. Vehicle Make (specify):

13

LINCOLN
Applicable codes are found in your
NASS PCDS Data Collection, Coding and
Editing Manual.
(99) Unknown

6. Vehicle Model (specify):

005

TOWN CAR
Applicable codes are found in your
NASS PCDS Data Collection, Coding and
Editing Manual.
(99) Unknown

7. Body Type

04

Note: Applicable codes may be found on
the back of this page.

8. Vehicle Identification Number

1 L N L M 8 3 F 8 L Y
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

Left justify; Slash zeros and letter Z (0 and Z)
No VIN—Code all zeros
Unknown—Code all nines

OFFICIAL RECORDS

9. Police Reported Travel Speed

999

Code to the nearest kmph (NOTE: 000 means
less than 0.5 kmph)
(160) 159.5 kmph and above
(999) Unknown

— mph X 1.6093 = — kmph

10. Speed Limit

048

(000) No statutory limit
Code posted or statutory speed limit
in kmph
(999) Unknown

30 mph X 1.6093 = 048 kmph

11. Police Reported Alcohol Presence For Driver

0

(0) No alcohol present
(1) Yes alcohol present
(7) Not reported
(8) No driver present
(9) Unknown

12. Alcohol Test Result For Driver

96

Code actual value (decimal implied
before first digit—0.xx)
(95) Test refused
(96) None given
(97) AC (Alcohol Content) test
performed, results unknown
(98) No driver present
(99) Unknown

Source: _____

13. Police Reported Other Drug Presence
For Driver

0

(0) No other drug(s) present
(1) Yes other drug(s) present
(7) Not reported
(8) No driver present
(9) Unknown

14. Other Drug Specimen Test Result
For Driver

9

(0) No specimen test given
(1) Drug not found in specimen
(2) Drug found in specimen
(specify): _____
(3) Specimen test given, results
unknown or not obtained
(8) No driver present
(9) Unknown

CODES FOR BODY TYPE

CDS APPLICABLE VEHICLES

Automobiles

- (01) Convertible (excludes sun-roof, t-bar)
- (02) 2-door sedan, hardtop, coupe
- (03) 3-door/2-door hatchback
- (04) 4-door sedan, hardtop
- (05) 5-door/4-door hatchback
- (06) Station wagon (excluding van and truck based)
- (07) Hatchback, number of doors unknown
- (08) Other automobile type (specify): _____
- (09) Unknown automobile type

Automobile Derivatives

- (10) Auto based pickup (includes El Camino, Caballero, Ranchero, Brat, and Rabbit pickup)
- (11) Auto based panel (cargo station wagon, auto based ambulance/hearse)
- (12) Large limousine - more than four side doors or stretched chassis
- (13) Three-wheel automobile or automobile derivative

Utility Vehicles ($\leq 4,500$ kgs GVWR)

- (14) Compact utility (Jeep CJ-2 - CJ-7, Scrambler, Golden Eagle, Renegade, Laredo, Wrangler, Cherokee [84 and after], Dispatcher, Raider, Bronco II, Bronco [76 and before], Explorer, S-10 Blazer, Geo Tracker, Bravada, S-15 Jimmy, Thing, Pathfinder, Trooper, Trooper II, Rodeo, Amigo, Navajo, 4-Runner, Montero, Samurai, Sidekick, Rocky)
- (15) Large utility (includes Jeep Cherokee [83 and before], Ramcharger, Trailduster, Bronco-fullsize [78 and after], fullsize Blazer, fullsize Jimmy, Landcruiser, Rover, Scout)
- (16) Utility station wagon (Chevy Suburban, GMC Suburban, Travelall, Grand Wagoneer, includes suburban limousine)
- (19) Utility, unknown body type

Van Based Light Trucks ($\leq 4,500$ kgs GVWR)

- (20) Minivan (Chrysler Town and Country, Caravan, Grand Caravan, Voyager, Grand Voyager, Mini-Ram, Dodge/Plymouth Vista, Aerostar, Villager, Lumina APV, Trans Sport, Silhouette, Astro, Safari, Toyota Van, Toyota Minivan, Previa, Nissan Minivan, Quest, Mitsubishi Minivan, Vanagon/Camper.)
- (21) Large van (B150-B350, Sportsman, Royal, Maxiwagon, Ram, Tradesman, Voyager [83 and before], E150-E350, Econoline, Clubwagon, Chateau, G10-G30, Chevy Van, Beauville, Sport Van, G15-G35, Rally Van, Vandura.)
- (22) Step van or walk-in van ($\leq 4,500$ kgs GVWR)
- (23) Van based motorhome ($\leq 4,500$ kgs GVWR)
- (24) Van based school bus ($\leq 4,500$ kgs GVWR)
- (25) Van based other bus ($\leq 4,500$ kgs GVWR)
- (28) Other van type (Hi-Cube Van, Kary) (specify): _____
- (29) Unknown van type

Light Conventional Trucks (Pickup style cab, $\leq 4,500$ kgs GVWR)

- (30) Compact pickup (D50, Colt P/U, Ram 50, Dakota, Arrow Pickup [foreign], Ranger, Courier, S-10, T-10, LUV, S-15, T-15, Sonoma, Datsun/Nissan Pickup, P'up, Mazda Pickup, Toyota Pickup, Mitsubishi Pickup)
- (31) Large Pickup (Jeep Pickup, Comanche, Ram Pickup, D100-D350, W100-W350, F100-F350, C10-C35, K10-K35, R10-R35, V10-V35, Silverado, Sierra, R100-R500,)

- (32) Pickup with slide-in camper
- (33) Convertible pickup
- (39) Unknown pickup style light conventional truck type

Other Light Trucks ($\leq 4,500$ kgs GVWR)

- (40) Cab chassis based (includes rescue vehicles, light stake, dump, and tow truck)
- (41) Truck based panel
- (42) Light truck based motorhome (chassis mounted)
- (45) Other light conventional truck type
- (48) Unknown light truck type
- (49) Unknown light vehicle type (automobile, utility, van, or light truck)

OTHER VEHICLES

Buses (Excludes Van Based)

- (50) School bus (designed to carry students, not cross country or transit)
- (58) Other bus type (e.g., transit, intercity, bus based motorhome) (specify): _____
- (59) Unknown bus type

Medium/Heavy Trucks ($> 4,500$ kgs GVWR)

- (60) Step van ($> 4,500$ kgs GVWR)
- (61) Single unit straight truck ($4,500$ kgs $<$ GVWR $\leq 8,850$ kgs)
- (62) Single unit straight truck ($8,850$ kgs $<$ GVWR $\leq 12,000$ kgs)
- (63) Single unit straight truck ($> 12,000$ kgs GVWR)
- (64) Single unit straight truck, GVWR unknown
- (65) Medium/heavy truck based motorhome
- (67) Truck-tractor with no cargo trailer
- (68) Truck-tractor pulling one trailer
- (69) Truck-tractor pulling two or more trailers
- (70) Truck-tractor (unknown if pulling trailer)
- (78) Unknown medium/heavy truck type
- (79) Unknown truck type (light/medium/heavy)

Motored Cycles (Does Not Include All-Terrain Vehicles/Cycles)

- (80) Motorcycle
- (81) Moped (motorized bicycle)
- (82) Three-wheel motorcycle or moped
- (88) Other motored cycle (minibike, motorscooter) (specify): _____
- (89) Unknown motored cycle type

Other Vehicles

- (90) ATV (All-Terrain Vehicle) and ATC (All-Terrain Cycle)
- (91) Snowmobile
- (92) Farm equipment other than trucks
- (93) Construction equipment other than trucks
- (97) Other vehicle type
- (99) Unknown body type

VEHICLE WEIGHT ITEMS

15. Vehicle Curb Weight

Code weight to nearest
10 kilograms.

- (045) Less than 450 kilograms
(610) 6,100 kilograms or more
(999) Unknown

3,663 lbs X .4536 = 1,665 kgs

Source: [REDACTED]

16. Vehicle Cargo Weight

Code weight to nearest
10 kilograms.

- (000) Less than 5 kilograms
(450) 4,500 kilograms or more
(999) Unknown

____ lbs X .4536 = ____ kgs

OTHER DATA

17. Vehicle Special Use (This Trip)

- (0) No special use
(1) Taxi
(2) Vehicle used as school bus
(3) Vehicle used as other bus
(4) Military
(5) Police
(6) Ambulance
(7) Fire truck or car
(8) Other (specify): _____
(9) Unknown

**STOP - VARIABLES 18 THROUGH 20
ARE COMPLETED BY THE ZONE CENTER**

RECONSTRUCTION DATA

18. Impact Speed

____ Nearest kmph

(NOTE: 000 means greater than .5 kmph)
(160) 159.5 kmph and above
(999) Unknown

19. Accuracy Range of Impact Speed Estimate

- (0) No reconstruction
(1) Less than 2 kmph
(2) ≥ 2 kmph and ≤ 8 kmph
(3) ≥ 9 kmph and ≤ 16 kmph
(4) ≥ 17 kmph and ≤ 26 kmph
(9) Unknown

20. Data Source of Impact Speed

- (0) No impact speed calculated
(1) Zone center calculation
(2) Police calculation
(3) Driver/witness/police estimates

PRECRASH DATA

21. Driver's Attention to Driving

(Prior to Recognition of Critical Event)

- (1) Full attention to driving
(2) Distracted by other occupant
(3) Distracted by moving object in vehicle
(4) Distracted by outside person, object, or event
(5) Talking on cellular phone or CB radio
Specify: _____
(6) Sleeping or dozing while driving
(8) Other (specify): _____
(9) Unknown

22. Pre-Event Vehicle Movement

(Prior to Recognition of Critical Event)

- (01) Going straight
(02) Slowing or stopping in traffic lane
(03) Starting in traffic lane
(04) Stopped in traffic lane
(05) Passing or overtaking another vehicle
(06) Disabled or parked in travel lane
(07) Leaving a parking position
(08) Entering a parking position
(09) Turning right
(10) Turning left
(11) Making a U-turn
(12) Backing up (other than for parking position)
(13) Negotiating a curve
(14) Changing lanes
(15) Merging
(16) Successful avoidance maneuver to a previous critical event
(97) Other (specify): _____
(98) No driver present
(99) Unknown

23. Critical Precrash Event 80*This Vehicle Loss of Control Due To:*

- (01) Blow out or flat tire
- (02) Stalled engine
- (03) Disabling vehicle failure (e.g., wheel fell off) (specify): _____
- (04) Non-disabling vehicle problem (e.g., hood flew up) (specify): _____
- (05) Poor road conditions (puddle, pot hole, ice, etc.) (specify): _____
- (06) Traveling too fast for conditions
- (08) Other cause of control loss (specify): _____

(09) Unknown cause of control loss

This Vehicle Traveling

- (10) Over the lane line on left side of travel lane
- (11) Over the lane line on right side of travel lane
- (12) Off the edge of the road on the left side
- (13) Off the edge of the road on the right side
- (14) End departure
- (15) Turning left at intersection
- (16) Turning right at intersection
- (17) Crossing over (passing through) intersection
- (19) Unknown travel direction

Other Motor Vehicle In Lane

- (50) Stopped
- (51) Traveling in same direction with lower speed (i.e., lower steady speed or decelerating)
- (52) Traveling in same direction with higher speed
- (53) Traveling in opposite direction
- (54) In crossover
- (55) Backing
- (59) Unknown travel direction of other motor vehicle in lane

Other Motor Vehicle Encroaching Into Lane

- (60) From adjacent lane (same direction)—over left lane line
- (61) From adjacent lane (same direction)—over right lane line
- (62) From opposite direction—over left lane line
- (63) From opposite direction—over right lane line
- (64) From parking lane
- (65) From crossing street, turning into same direction
- (66) From crossing street, across path
- (67) From crossing street, turning into opposite direction
- (68) From crossing street, intended path not known
- (70) From driveway, turning into same direction
- (71) From driveway, across path
- (72) From driveway, turning into opposite direction
- (73) From driveway, intended path not known
- (74) From entrance to limited access highway
- (78) Encroachment by other vehicle—details unknown

Pedestrian or Pedalcyclist, or Other Nonmotorist

- (80) Pedestrian in roadway
- (81) Pedestrian approaching roadway
- (82) Pedestrian—unknown location

(83) Pedalcyclist or other nonmotorist in roadway (specify): _____

(84) Pedalcyclist or other nonmotorist approaching roadway (specify): _____

(85) Pedalcyclist or other nonmotorist—unknown location (specify): _____

Object or Animal

- (87) Animal in roadway
- (88) Animal approaching roadway
- (89) Animal—unknown location
- (90) Object in roadway
- (91) Object approaching roadway
- (92) Object—unknown location
- (98) Other critical precrash event (specify): _____

(99) Unknown

24. Attempted Avoidance Maneuver 02

- (00) No driver present
- (01) No avoidance actions
- (02) Braking (no lockup)
- (03) Braking (lockup)
- (04) Braking (lockup unknown)
- (05) Releasing brakes
- (06) Steering left
- (07) Steering right
- (08) Braking and steering left
- (09) Braking and steering right
- (10) Accelerating
- (11) Accelerating and steering left
- (12) Accelerating and steering right
- (98) Other action (specify): _____
- (99) Unknown

25. Precrash Stability After Avoidance Maneuver 2

- (0) No driver present
- (1) No avoidance maneuver
- (2) Tracking
- (3) Skidding longitudinally—rotation less than 30 degrees
- (4) Skidding laterally—clockwise rotation
- (5) Skidding laterally—counterclockwise rotation
- (8) Other vehicle loss-of-control (specify): _____
- (9) Precrash stability unknown

26. Precrash Directional Consequences of Avoidance Maneuver (Corrective Action) 2

- (0) No driver present
- (1) No avoidance maneuver
- (2) Vehicle stayed in travel lane where avoidance maneuver was initiated
- (3) Vehicle stayed on roadway but left travel lane where avoidance maneuver was initiated
- (4) Vehicle stayed on roadway, not known if left travel lane where avoidance maneuver was initiated
- (5) Vehicle departed roadway
- (6) Avoidance maneuver initiated off roadway
- (9) Directional consequences unknown

ENVIRONMENTAL DATA

27. Relation to Junction

- (0) Non-junction
(1) Interchange area

Non-Interchange

- (2) Intersection
(3) Intersection-related
(4) Drive, alley access related
(5) Other non-interchange (specify):

- (6) Unknown type of non-interchange
(9) Unknown if interchange

28. Trafficway Flow

- (1) Not physically divided (two way traffic)
(2) Divided trafficway - median strip without positive barrier
(3) Divided trafficway - median strip with positive barrier
(4) One way trafficway
(9) Unknown

29. Number of Travel Lanes

- (1) One
(2) Two
(3) Three
(4) Four
(5) Five
(6) Six
(7) Seven or more
(9) Unknown

30. Roadway Alignment

- (1) Straight
(2) Curve right
(3) Curve left
(9) Unknown

31. Roadway Profile

- (1) Level
(2) Uphill Grade (> 2%)
(3) Downhill Grade (> 2%)
(4) Hillcrest
(5) Sag
(9) Unknown

32. Roadway Surface Type

- (1) Concrete
(2) Bituminous (asphalt)
(3) Brick or Block
(4) Slag, gravel or stone
(5) Dirt
(8) Other (specify):
(9) Unknown

33. Roadway Surface Condition

- (1) Dry
(2) Wet
(3) Snow and slush
(4) Ice
(5) Sand, dirt or oil
(8) Other (specify):
(9) Unknown

34. Traffic Control Device

- (0) No traffic control(s)
(1) Trafficway traffic control signal (not RR crossing)

Regulatory or School Zone Sign (Not RR Crossing)

- (2) Stop sign
(3) Yield sign
(4) School zone sign
(5) Other sign (specify):
(6) Unknown sign
(7) Warning sign (not RR crossing)
(8) Miscellaneous/other controls including RR controls (specify):
(9) Unknown

35. Traffic Control Device Functioning

- (0) No traffic control
(1) Not Functioning
(2) Functioning
(9) Unknown

36. Light Conditions

- (1) Daylight
(2) Dark
(3) Dark, but lighted
(4) Dawn
(5) Dusk
(9) Unknown

37. Atmospheric Conditions

- (1) No adverse atmospheric related driving conditions
(2) Rain
(3) Sleet
(4) Snow
(5) Fog
(6) Rain and fog
(7) Sleet and fog
(8) Other (e.g., smog, smoke, blowing sand or dust, etc.) (specify):
(9) Unknown



PEDESTRIAN EXTERIOR VEHICLE FORM

NATIONAL ACCIDENT SAMPLING SYSTEM
PEDESTRIAN CRASH DATA STUDY

1. Primary Sampling Unit Number

40

3. Vehicle Number

01

2. Case Number - Stratum

612P
AW

VEHICLE IDENTIFICATION

VIN 1LNLM82F84

Model Year 90

Vehicle Make (specify) LINCOLN

Vehicle Model (specify) TOWN CAR

PEDESTRIAN FRONT CONTACT WORK SHEET

PEV06 Hood Material

STEEL

PEV08 Hood Length

132 cm

PEV09 Hood Width-Forward Opening

151 cm

PEV10 Hood Width-Midway

160 cm

PEV11 Hood Width-Rear Opening

160 cm

PEV14 Front Bumper Cover Material

STEEL

PEV15 Front Bumper Reinforcement Material

EAD

VERTICAL MEASUREMENTS

PEV16 Front Bumper-Bottom Height

32 cm

PEV17 Front Bumper-Top Height

43 cm

PEV18 Forward Hood Opening

82 cm

PEV19 Front Bumper Lead

16 cm

WRAP DISTANCES

PEV20 Ground to Forward Hood Opening

98 cm

PEV21 Ground to Front/Top Transition Point

103 cm

PEV22 Ground to Rear Hood Opening

229 cm

PEV23 Ground to Base of Windshield

239 cm

PEV24 Ground to Top of Windshield

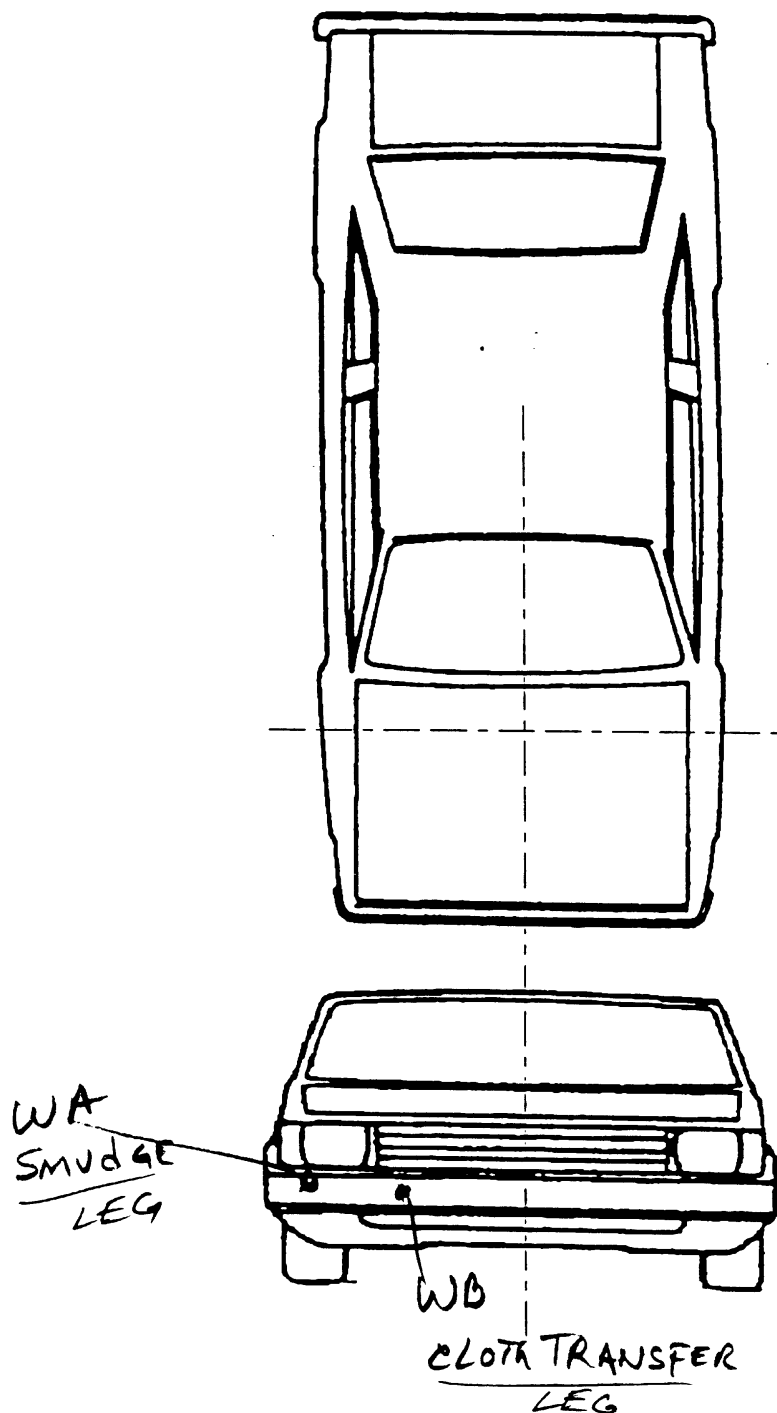
314 cm

PEV25 Ground to Head Contact

000 cm

origin 184

VEHICLE DAMAGE SKETCH



NOTES: Sketch all pedestrian contacts, include the size and depth in centimeters. Locate the pedestrian contacts from the intercept point of the centerline (lateral) and the front axles (longitudinal) in centimeters. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.).

Location of the origin (intercept point of the centerline and the front axles) from the ground: 184 cm

PEDESTRIAN SIDE CONTACT WORK SHEET

PEV06 Hood Material

PEV08 Hood Length

PEV09 Hood Width-Forward Opening

PEV10 Hood Width-Midway

PEV11 Hood Width-Rear Opening

_____ cm

_____ cm

_____ cm

_____ cm

VERTICAL MEASUREMENTS

PEV26 Ground Clearance

PEV27 Side Bumper-Bottom Height

PEV28 Side Bumper-Top Height

PEV29 Centerline of Wheel

PEV30 Top of Tire

PEV31 Top of Wheel Well Opening

PEV32 Bottom of A-Pillar at Windshield

PEV33 Top of A-Pillar at Windshield

PEV34 Top of Side View Mirror

_____ cm

_____ cm

_____ cm

_____ cm

_____ cm

_____ cm

_____ cm

_____ cm

_____ cm

LATERAL MEASUREMENTSPEV35 C_L to A-Pillar at Bottom of WindshieldPEV36 C_L to A-Pillar at Top of WindshieldPEV37 C_L to Maximum Side View Mirror Protrusion

_____ cm

_____ cm

_____ cm

WRAP DISTANCES

PEV38 Ground to Side/Top Transition

PEV39 Ground to Hood Edge

PEV40 Ground to Centerline of Hood (ORIGIN)

PEV41 Ground to Head Contact

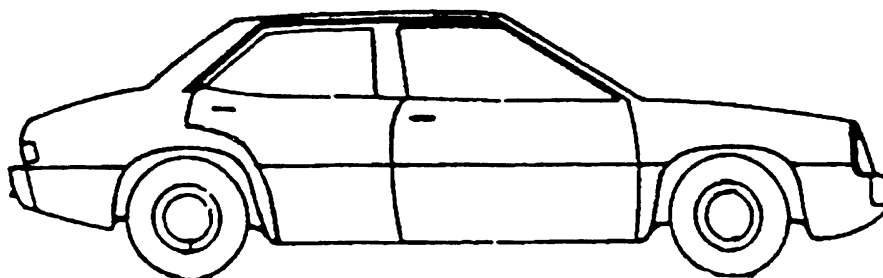
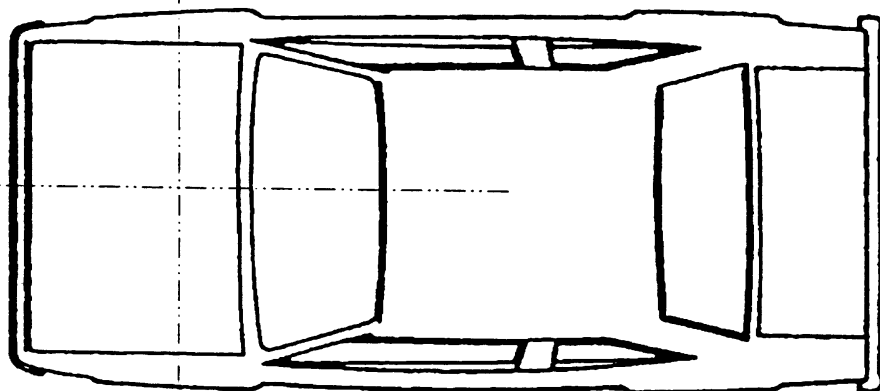
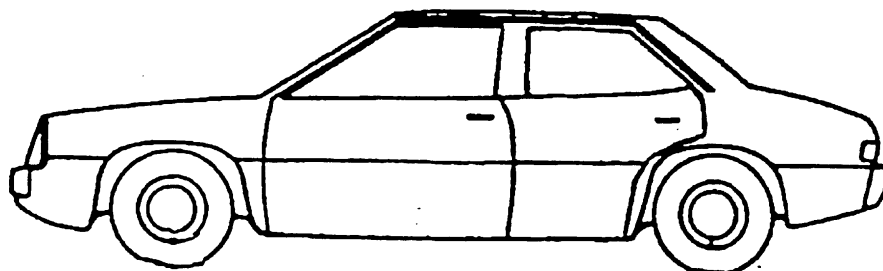
_____ cm

_____ cm

_____ cm

_____ cm

VEHICLE DAMAGE SKETCH



NOTES: Sketch all pedestrian contacts, include the size and depth in centimeters. Locate the pedestrian contacts from the intercept point of the centerline (lateral) and the front axes (longitudinal) in centimeters. Annotate observations which might be useful in reconstructing the accident (e.g., grass in tire bead, direction of striations, scuff on sidewalls, etc.).

Location of the origin (intercept point of the centerline and the front axes) from the ground: _____ cm

ORIGINAL SPECIFICATIONS

| | | | |
|--------------------------|---------------------|-----------|-----------------|
| Wheelbase | <u>109.1</u> inches | x 2.54 = | <u>277</u> cm |
| Overall Length | <u>205.1</u> inches | x 2.54 = | <u>521</u> cm |
| Maximum Width | <u>72.8</u> inches | x 2.54 = | <u>185</u> cm |
| Curb Weight | <u>3.663</u> pounds | x .4536 = | <u>1.665</u> kg |
| Average Track | <u>61.6</u> inches | x 2.54 = | <u>157</u> cm |
| Front Overhang | <u>45.7</u> inches | x 2.54 = | <u>116</u> cm |
| Rear Overhang | <u>45.7</u> inches | x 2.54 = | <u>116</u> cm |
| Undeformed End Width | ____ inches | x 2.54 = | ____ cm |
| Engine Size: cyl./displ. | ____ cc | x .001 = | <u>5.0</u> L |
| | ____ CID | x .0164 = | ____ L |

INJURY SOURCE

FRONT

- 700 Front bumper
- 701 Front lower valance/spoiler
- 702 Front grille
- 703 Hood edge and/or trim
- 704 Hood ornament (fixed)
- 705 Hood ornament (spring loaded)
- 706 Headlight
- 707 Retractable headlight door (Open/Closed)
- 708 Turn signal/parking lights
- 718 Other front or add on object (specify): _____
- 719 Unknown front object

Left Side Components

- 720 Front fender side surface
- 721 Front antenna
- 722 A1 pillar
- 723 A2 pillar
- 724 B pillar
- 725 C pillar
- 726 D pillar
- 728 Other pillar (specify): _____
- 729 Left side roof rail
- 730 Left side door surface
- 731 Left side door handle
- 732 Left side mirror fixed housing
- 733 Left side folding mirror
- 734 Left side glazing forward of B pillar
- 735 Left side glazing rearward of B pillar
- 736 Left side back fender or quarter panel
- 737 Rear antenna
- 738 Other left side object (specify): _____
- 739 Unknown left side component

Right Side Components

- 740 Front fender side surface
- 741 Front antenna
- 742 A1 pillar
- 743 A2 pillar

- 744 B pillar
- 745 C pillar
- 746 D pillar
- 748 Other pillar (specify): _____
- 749 Right side roof rail
- 750 Right side door surface
- 751 Right side door handle
- 752 Right side mirror fixed housing
- 753 Right side folding mirror
- 754 Right side glazing forward of B pillar
- 755 Right side glazing rearward of B pillar
- 756 Rear antenna
- 757 Rear fender or quarter panel
- 758 Other right side object (specify): _____
- 759 Unknown right side component

Back Components

- 760 Rear (back) bumper
- 761 Tailgate
- 762 Hatchback, vertical surface
- 768 Other back component (specify): _____
- 769 Unknown back component

Top Components

- 770 Hood surface
- 771 Hood surface reinforced by under hood component
- 772 Front fender top surface
- 773 Cowl area
- 774 Wiper blade & mountings
- 775 Windshield glazing
- 776 Front header
- 777 Roof surface
- 778 Backlight glazing
- 779 Rear header
- 780 Hatchback
- 781 Rear trunk lid
- 788 Other top component (specify): _____
- 789 Unknown top component

Wheels / tires

- 790 Left front wheel / tire
- 791 Right front wheel / tire
- 792 Left rear wheel / tire
- 793 Right rear wheel / tire
- 798 Other wheel / tire (specify): _____
- 799 Unknown wheel / tire

Undercarriage components

- 800 Front cross member
- 801 Steering assembly/Front suspension
- 802 Oil pan
- 803 Exhaust system pipe
- 804 Transmission
- 805 Drive shaft
- 806 Catalytic converter
- 807 Muffler
- 808 Floor pan
- 809 Fuel tank
- 810 Rear suspension
- 818 Other undercarriage component (specify): _____
- 819 Unknown undercarriage component

Accessories

- 820 Air scoop, deflector
- 821 Cellular or CB radio antenna
- 822 Emergency lights or bar
- 823 Fog lights
- 824 Luggage, ski, or bike rack
- 825 Cargo (specify): _____
- 826 Spare tire
- 827 Spotlight
- 828 Other accessory (specify): _____

Other Object or Vehicle in Environment

- 947 Ground
- 948 Other object (specify): _____
- 949 Unknown object in environment
- 959 Unknown object on contacting vehicle
- 997 Noncontact injury source
- 999 Unknown injury source

PEDESTRIAN CONTACT WORKSHEET

[illegible]

VEHICLE DIMENSIONS

4. Original Wheelbase 277
Code to the nearest centimeter
(999) Unknown

_____ inches X 2.54 = _____ centimeters

5. Original Average Track Width 156
Code to the nearest centimeter
(185) 185 centimeters or more
(999) Unknown

_____ inches X 2.54 = _____ centimeters

6. Hood Material 3 X
(1) Plastic
(2) Fiberglass
(3) Steel
(4) Aluminum
(5) Stainless Steel
(8) Other (specify): _____
(9) Unknown

7. Hood Original 1
Equipment Manufacturer (OEM)
(1) OEM factory installed hood
(2) OEM replacement
(3) Non-OEM replacement
(9) Unknown

8. Hood Length 132
Code to the nearest centimeter
(180) 180 centimeters or more
(999) Unknown

_____ inches X 2.54 = _____ centimeter

9. Hood Width Forward Opening 151
Code to the nearest centimeter
(210) 210 centimeters or more
(999) Unknown

_____ inches X 2.54 = _____ centimeters

10. Hood Width Midway 160
Code to the nearest centimeter
(210) 210 centimeters or more
(999) Unknown

_____ inches X 2.54 = _____ centimeters

11. Hood Width Rear Opening 160
Code to the nearest centimeter
(210) 210 centimeters or more
(999) Unknown

_____ inches X 2.54 = _____ centimeters

12. Hood/Fender Vertical/Lateral Crush From Pedestrian 0
(0) Not damaged
(1) Surface scratching only, no residual crush
(2) Minor crush (1-3 centimeters)
(3) Moderate crush (4-7 centimeters)
(4) Severe crush (> 7 centimeters)
(8) Damage present, unknown if damage is from pedestrian impact
(9) Unknown

13. Windshield Contact Damage From Pedestrian Contact 0
(0) Not contacted by pedestrian
(1) Contacted by pedestrian - not damaged
(2) Contacted by pedestrian - damaged
(3) Unknown if contacted by pedestrian - not damaged
(4) Unknown if contacted by pedestrian - damaged
(9) Unknown if contacted by pedestrian - unknown if damaged

FRONT CONTACT DAMAGE

Front Vertical Measurements

14. Front Bumper Cover Material 4
(0) No front contact
(1) Plastic
(2) Fiberglass
(3) Rubber
(4) Other (specify): STEEL
(9) Unknown

15. Front Bumper Reinforcement Material 4
(0) No front contact
(1) Steel
(2) Aluminum
(3) Stainless Steel
(4) Other (specify): EAD
(9) Unknown

16. Front Bumper-Bottom Height 032
Code to the nearest centimeter
(000) No front contact
(150) 150 centimeters or more
(999) Unknown

_____ inches X 2.54 = _____ centimeters

17. Front Bumper-Top Height

Code to the
nearest centimeter
(000) No front contact
(150) 150 centimeters or more
(999) Unknown

043

_____ inches X 2.54 = _____ centimeters

18. Forward Hood Opening

Code to the
nearest centimeter
(000) No front contact
(200) 200 centimeters or more
(999) Unknown

082

_____ inches X 2.54 = _____ centimeters

19. Front Bumper Lead

(00) No front contact
Code to the
nearest centimeter
(30) 30 centimeters or more
(99) Unknown

16

_____ inches X 2.54 = _____ centimeters

23. Ground to Base of Windshield

Code to the
nearest centimeter
(000) No front contact
(400) 400 centimeters or more
(999) Unknown

239

_____ inches X 2.54 = _____ centimeters

24. Ground to Top of Windshield

Code to the
nearest centimeter
(000) No front contact
(500) 500 centimeters or more
(999) Unknown

314

_____ inches X 2.54 = _____ centimeters

25. Ground To Head Contact

Code to the
nearest centimeter
(000) No front contact
(400) 400 centimeters or more
(998) No head contact
(999) Unknown

998

_____ inches X 2.54 = _____ centimeters

Front Wrap Distance Measurements

20. Ground to Forward Hood Opening

Code to the
nearest centimeter
(000) No front contact
(200) 200 centimeters or more
(999) Unknown

098

_____ inches X 2.54 = _____ centimeters

21. Ground to Front/Top Transition Point

Code to the
nearest centimeter
(000) No front contact
(180) 180 centimeters or more
(999) Unknown

103

_____ inches X 2.54 = _____ centimeters

22. Ground to Rear Hood Opening

Code to the
nearest centimeter
(000) No front contact
(400) 400 centimeters or more
(999) Unknown

229

_____ inches X 2.54 = _____ centimeters

SIDE CONTACT DAMAGE

Side Vertical Measurements

26. Ground Clearance

Code to the
nearest centimeter
(000) No side contact
(150) 150 centimeters or more
(999) Unknown

000

_____ inches X 2.54 = _____ centimeters

27. Side Bumper-Bottom Height

Code to the
nearest centimeter
(000) No side contact
(150) 150 centimeters or more
(999) Unknown

000

_____ inches X 2.54 = _____ centimeters

28. Side Bumper-Top Height

Code to the
nearest centimeter
(000) No side contact
(150) 150 centimeters or more
(999) Unknown

000

_____ inches X 2.54 = _____ centimeters

29. Centerline of Wheel

_____ Code to the
nearest centimeter

(000) No side contact

(150) 150 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

30. Top of Tire

_____ Code to the
nearest centimeter

(000) No side contact

(200) 200 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

31. Top of Wheel Well Opening

_____ Code to the
nearest centimeter

(000) No side contact

(250) 250 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

32. Bottom of A-Pillar at Windshield

_____ Code to the
nearest centimeter

(000) No side contact

(250) 250 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

33. Top of A-Pillar at Windshield

_____ Code to the
nearest centimeter

(000) No side contact

(300) 300 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

34. Top of Side View Mirror

_____ Code to the
nearest centimeter

(000) No side contact

(300) 300 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

Side Lateral Measurements

35. Centerline to A-Pillar

at Bottom of Windshield

(000) No side contact

_____ Code to the
nearest centimeter

(250) 250 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

36. Centerline to A-Pillar

at Top of Windshield

_____ Code to the
nearest centimeter

(000) No side contact

(250) 250 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeter

37. Centerline to Maximum Side
View Mirror Protrusion

_____ Code to the
nearest centimeter

(000) No side contact

(300) 300 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeter

Side Wrap Distance Measurements

38. Ground to Side/Top Transition

_____ Code to the
nearest centimeter

(000) No side contact

(400) 400 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

39. Ground to Hood Edge

_____ Code to the
nearest centimeter

(000) No side contact

(500) 500 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

40. Ground to Centerline of Hood

000

_____ Code to the
nearest centimeter

(000) No side contact

(700) 700 centimeters or more

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

41. Ground to Head Contact

000

_____ Code to the
nearest centimeter

(000) No side contact

(800) 800 centimeters or more

(998) No head contact

(999) Unknown

_____ . _____ inches X 2.54 = _____ centimeters

Final update 7-24-97 R.E.

1

PSU40
CASE 612P

1997 PEDESTRIAN ACCIDENT FORM

IDENTIFICATION

3. Number of General Vehicle Forms Submitted 01
4. Date of Accident (Month, Day, Year) [REDACTED]/97
5. Time of Accident (military time) 1540

SPECIAL STUDIES - INDICATORS

6. SS15 0 7. SS16 1 8. SS17 0 9. SS18 0 10. SS19 0

NUMBER OF EVENTS

11. Number of Recorded Events in This Accident 01
01

PSU40
CASE 612P

1997 PEDESTRIAN ACCIDENT FORM

PEDESTRIAN ACCIDENT EVENTS

| Accident Sequence Number | Vehicle Number | Class of Vehicle | General Area of Damage | Veh. Num. or Obj. Cont. | Class of Vehicle | General Area of Damage |
|--------------------------------|-------------------|---------------------|------------------------------|-------------------------------|---------------------|------------------------------|
| 12. 01 | 13. 01 | 14. 03 | 15. F | 16. 72 | 17. 00 | 18. 0 |

01

CASE 612P

VEHICLE 01 PEDESTRIAN 01

PEDESTRIAN'S CHARACTERISTICS

| | |
|---|-----|
| 4. Pedestrian's Age | 15 |
| 5. Pedestrian's Sex | 2 |
| 6. Pedestrian's Overall Height | 150 |
| 7. Pedestrian's Height - Ground to Knee | 46 |
| 8. Pedestrian's Height - Ground to Hip | 088 |
| 9. Pedestrian's Height - Ground to Shoulder | 123 |
| 10. Pedestrian's Weight | 057 |

PEDESTRIAN'S PRE-AVOIDANCE ACTIONS

| | |
|---|----|
| 11. Pedestrian's Attitude | 1 |
| 12. Pedestrian's Motion | 1 |
| 13. Pedestrian's Actions Relative to Vehicle | 01 |
| 14. Pedestrian's Body (Chest) Orientation Relative to Striking Vehicle Prior to Avoidance Actions | 3 |

PEDESTRIAN'S AVOIDANCE ACTIONS

| | |
|--|----|
| 15. Pedestrian's First Avoidance Actions | 13 |
|--|----|

PEDESTRIAN'S ORIENTATION AT IMPACT

| | |
|---|----|
| 16. Pedestrian's Head Orientation at Initial Impact | 2 |
| 17. Pedestrian's Body (Chest) Orientation at Initial Impact | 3 |
| 18. Pedestrian's Arm Orientation at Initial Impact | 08 |
| 19. Pedestrian's Leg Orientation at Initial Impact | 04 |
| 20. Vehicle/Pedestrian's Interaction | 08 |

OFFICIAL RECORDS

| | |
|--|----|
| 21. Police Reported Alcohol Presence For Pedestrian | 0 |
| 22. Alcohol Test Result For Pedestrian | 96 |
| 23. Police Reported Other Drug Presence For Pedestrian | 0 |
| 24. Other Drug Specimen Test Result For Pedestrian | 9 |

INJURY CONSEQUENCES

| | |
|--|----|
| 25. Injury Severity (Police Rating) | 1 |
| 26. Treatment - Mortality | 4 |
| 27. Type of Medical Facility (for Initial Treatment) | 2 |
| 28. Hospital Stay | 00 |
| 29. Working Days Lost | 97 |

(COMPLETED BY THE ZONE CENTER)

| | |
|---|----|
| 30. Glasgow Coma Scale Score | 15 |
| 31. Was the Pedestrian Given Blood? | 1 |
| 32. Arterial Blood Gases | 01 |
| 33. Time to Death | 00 |
| 34. 1st Medically Reported Cause of Death | 00 |
| 35. 2nd Medically Reported Cause of Death | 00 |
| 36. 3rd Medically Reported Cause of Death | 00 |
| 37. Number of Recorded Injuries for This Pedestrian | 01 |

01

INTER ERRORS

OHT0241
HT0242

OK, R.G.

If GLASGOW SCORE PAS30 equals 03-15, then at least one SOURCE OF DATA PIJ05(n) should equal 1-3.

PSU40
CASE 612P

1997 PEDESTRIAN INJURY FORM

VEHICLE 01 PEDESTRIAN 01

PEDESTRIAN INJURY DATA

| | Source of Inj. Data | Body Reg. | Type of Anat. Struc. | Spec. Anat. Struc. | Lev. of Inj. | AIS Sev. | Asp. | Inj. Source | Inj. Conf. Level | Dir./ Indir. Inj. | Str. Pro. | Type of Dmg. | Dmg. Dep. |
|-----|------------------------------|--------------|-------------------------------|--------------------------|--------------------|-------------|------|----------------|------------------------|-------------------------|--------------|--------------------|--------------|
| 01. | 7 | 8 | 9 | 04 | 02 | 1 | 2 | 700 | 1 | 1 | 2 | 1 | 1 |

01

INTER ERRORS

OHT0241 (2) *ok R.C.* If GLASGOW SCORE PAS30 equals 03-15, then at least one
HT0242 SOURCE OF DATA PIJ05(n) should equal 1-3.

CASE 612P

VEHICLE 01

VEHICLE IDENTIFICATION

| | |
|----------------------------------|-------------|
| 4. Vehicle Model Year | 90 |
| 5. Vehicle Make | 13 |
| 6. Vehicle Model | 005 |
| 7. Body Type | 04 |
| 8. Vehicle Identification Number | 1LNLM82F8LY |

OFFICIAL RECORDS

| | |
|---|-----|
| 9. Police Reported Travel Speed | 999 |
| 10. Speed Limit | 048 |
| 11. Police Reported Alcohol Presence For Driver | 0 |
| 12. Alcohol Test Result For Driver | 96 |
| 13. Police Reported Other Drug Presence | 0 |
| 14. Other Drug Specimen Test Result for Driver | 9 |

VEHICLE WEIGHT ITEMS

| | |
|--------------------------|-------|
| 15. Vehicle Curb Weight | 1,670 |
| 16. Vehicle Cargo Weight | 9,990 |

OTHER DATA

| | |
|-------------------------------------|---|
| 17. Vehicle Special Use (This Trip) | 0 |
|-------------------------------------|---|

RECONSTRUCTION DATA (COMPLETED BY THE ZONE CENTER)

| | |
|---|------|
| 18. Impact Speed | +999 |
| 19. Accuracy Range of Impact Speed Estimate | 9 |
| 20. Data Source of Impact Speed | 0 |

PRECRASH DATA

| | |
|-----------------------------------|----|
| 21. Driver's Attention to Driving | 1 |
| 22. Pre-Event Vehicle Movement | 01 |

PRECRASH DATA (continued)

| | |
|---|----|
| 23. Critical Precrash Event | 80 |
| 24. Attempted Avoidance Maneuver | 02 |
| 25. Precrash Stability After Avoidance Maneuver | 2 |
| 26. Precrash Directional Consequences of Avoidance Manuver (Corrective Action) | 2 |

ENVIRONMENTAL DATA

| | |
|--|---|
| 27. Relation to Junction | 0 |
| 28. Trafficway Flow | 1 |
| 29. Number of Travel Lanes | 2 |
| 30. Roadway Alignment | 1 |
| 31. Roadway Profile | 1 |
| 32. Roadway Surface Type | 2 |
| 33. Roadway Surface Condition | 1 |
| 34. Traffic Control Device | 0 |
| 35. Traffic Control Device Functioning | 0 |
| 36. Light Conditions | 1 |
| 37. Atmospheric Conditions | 1 |

01

VEHICLE DIMENSIONS

| | |
|---|-----|
| 4. Original Wheelbase | 277 |
| 5. Original Average Track Width | 156 |
| 6. Hood Material | 3 |
| 7. Hood Original Equip. Manufacturer | 1 |
| 8. Hood Length | 132 |
| 9. Hood Width Forward Opening | 151 |
| 10. Hood Width Midway | 160 |
| 11. Hood Width Rear Opening | 160 |
| 12. Hood/Fender Vertical/Lateral Crush From Pedestrian | 0 |
| 13. Windshield Contact Damage From Pedestrian Contact | 0 |

FRONT CONTACT DAMAGE

FRONT VERTICAL MEASUREMENTS

| | | | |
|---------------------------------|-----|-------------------------------------|-----|
| 14. Front Bumper Cover Material | 4 | 15. Front Bumper Reinforcement Mat. | 4 |
| 16. Front Bumper-Bottom Height | 032 | 17. Front Bumper-Top Height | 043 |
| 18. Forward Hood Opening | 082 | 19. Front Bumper Lead | 16 |

FRONT WRAP DISTANCE MEASUREMENTS

| | | | |
|---------------------------------|-----|---------------------------------------|-----|
| 20. Ground to Fwd. Hood Opening | 098 | 21. Ground to Front/Top Transition Pt | 103 |
| 22. Ground to Rear Hood Opening | 229 | 23. Ground to Base of Windshield | 239 |
| 24. Ground to Top of Windshield | 314 | 25. Ground to Head Contact | 998 |

SIDE CONTACT DAMAGE

SIDE VERTICAL MEASUREMENTS

| | |
|--------------------------------------|-----|
| 26. Ground Clearance | 000 |
| 27. Side Bumper-Bottom Height | 000 |
| 28. Side Bumper-Top Height | 000 |
| 29. Centerline of Wheel | 000 |
| 30. Top of Tire | 000 |
| 31. Top of Wheel Well Opening | 000 |
| 32. Bottom of A-Pillar at Windshield | 000 |
| 33. Top of A-Pillar at Windshield | 000 |
| 34. Top of Side View Mirror | 000 |

SIDE CONTACT DAMAGE (continued)

SIDE LATERAL MEASUREMENTS

| | |
|---|-----|
| 35. Centerline to A-Pillar at Bottom of Windshield | 000 |
| 36. Centerline to A-Pillar at Top of Windshield | 000 |
| 37. Centerline to Maximum Side View Mirror Protrusion | 000 |

SIDE WRAP DISTANCE MEASUREMENTS

| | |
|---|-----|
| 38. Ground to Side/Top Transition | 000 |
| 39. Ground to Hood Edge | 000 |
| 40. Ground to Centerline of Hood (Origin) | 000 |
| 41. Ground to Head Contact | 000 |

